

Use of the Electron Microscope for Investigation  
of Glass, by V. I. Shelyubsky, 6 pp.

RUSSIAN, bk, Proceedings of a Conference on the  
Structure of Glass, Academy of Sciences USSR Press,  
Moscow-Leningrad 23-27 Nov 1953, pp 219-223. 9042311

CB

Sci - Chem

Oct 59

Locking a Two-Circuit Oscillator,  
by G. D. Shemanayev, E. N. Ivanov, 16 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol V, No 9  
1960, pp 1387-1397.

PP

165,501

Sci

Aug 61

The Path of Carbohydrate Metabolism in *Clostridium oedematiens*, by G. F. Shemanova and V. A. Blagoveshchensky, 6 pp.

RUSSIAN, per Biokhimiya, Vol XXII, No 3, 1957, pp 523-526.

Consultants Bureau

Sci - Med

May 58

64,905

The Glycerokinase of *Clostridium Oedenatiens*, by  
G. F. Shemanova, V. A. Blagoveshchensky, 4 pp.

RUSSIAN, per, *Biokhimiya*, Vol XXI, No 6, 1956,  
pp 729-732.

Consultants Bureau

Sci - Med

Apr 58

61,845

Role of Mycorrhiza-forming Fungi in the Nourishment  
of Wood Plants by N.M. Shemakhanova.

RUSSIAN, per Akademiya Nauk, S.S.S.R. Izvestiya.  
Seriya Biologicheskaya, No 3, 1957, pp 317-330

CSIRO

Oct. 62

(FMD 28559)

Twenty-Fifth Anniversary of the Founding of the  
Institute of Microbiology, Academy of Sciences  
USSR, by H. M. Shazalhanova, 4 pp.

RUSSIAN, bino per, Mikrobiol, Vol XXIV, No 6,  
Moscow, Nov/Dec 1955, pp 749-750.

CIA/FMD U-8879

USSR

Sci - Medicine, microbiology

Oct 56

39,571

USDA CIA 9006516

Preparation of Hexafluorodimethyl Diselenid from  
Salts of Trifluoroacetic Acid, and Some of Its  
Properties, by M. M. Yarovenko, V. N. Shemanina,  
G. B. Gazyeva, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXXIX, No 3,  
1959, pp 942-944.

Consultants Bureau

Sci

Apr 60

115,260

New Methods of Preparing Fluorinated Carboxylic  
Acid and Esters of Difluoromethyl Alcohol, by  
N. N. Yarovenko,, M. A. Rakeba, V. N. Shemanina,  
A. S. Vasilyeva, 4 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 8,  
1957, pp 2246-2249.

Consultants Bureau

Sci - Chem  
Oct 58

74, 212



Amylase, Maltase and Phosphorylase of *Glacostidium*  
*Oedematiens*, by G. F. Shemarova, V. A. Blagoveshchensky,  
5 pp.

RUSSIAN, per, Biokhim, Vol XXII, No 5, 1957, pp 799-  
803.

Consultants Bureau

Sci - Med

Jul 58

66,821

Hexokinase of *Clostridium Oedematiens* and Some ~~MB~~  
of its Properties, by T. F. Shenanova, V. A.  
Blagoveshchensky, 4 pp.

RUSSIAN, bimo per, Biokhim, Vol XXI, No 3, 1956  
pp 356-358.

Consultants Bureau

Sci - Biol  
Chem

45,496

Synchronous Division and Multiplication of Frequency  
in a Double-Tuned Oscillator, by G. D. Shamanayev,  
9 pp.

RUSSIAN, per, Radiotekh i Elektronika, No 1, 1963,

~~IEEE~~

Sci  
Dec 63

244,021

Battalion Staff in an Attack from the March  
By Col P. Shemanskiy pp 7

RUSSIAN, per, Voyenny Vestnik, No 6, 1963

ACSI I-1614-P  
ID 2201421

USSR-W11

Sep 63

344,905

Influence of the Structure of Rubber on Inhibitor  
Diffusion, by A. S. Kuzminsky, S. A. Reitlinger,  
E. V. Sherastina, 4 pp.

RUSSIAN, bimo per, Kolloid Zhur, Vol XVIII, No 6,  
1956, pp 707-710.

Consultants Bureau

Sci - Chem

57,185

Jan 58

The Action of Nitric Acid on Polymers, by  
A. S. Kuzminskiy, E. V. Shemastinn, 6 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XIX, No 3,  
1957, pp 433-438.

Con Bu

Sci - Chem  
Aug 58

69, 477

Cathode-Surface Phenomena in a Glow Discharge, by  
I. I. Popenova, A. M. Shemayev, 5 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol IV, No 5,  
1959, pp 883-885.

PP

Sci

132, 101

Nov 60

Electron Microscope Investigation of the Surface of  
Electrodes Subjected to the Action of a Glow  
Discharge, by A. M. Shemayev, A. I. Primer, I. I.  
Silvestrovich, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Fiz, Vol XV, No 4,  
1951, pp 413-417.

CIA/PDD/Z-87

Scientific - Minerals/Metals  
CRS/DEX

10,112



Linear Accelerator Resonator as a Microwave Oscillator  
Load, by A. P. Fedotov B. K. Shembel', 8 pp.

RUSSIAN, per, Radiotekh i Elektron, Vol VI,  
No 1, 1961, pp 108-116.

AIRG

Sci

*170.291*

Oct 61

Equivalent Circuits and Parameters of a Cylindrical  
Toroidal Resonator, by L. M. Prokudin, B. K. Shembel',  
7 ppk

RUSSIAN, per, Radiotekh i Elektron, Vol III, No 9,  
1958, pp 1212-1215.

PP

Oct 59

99,261

(NY-5201

On Pre-Excitation of the Resonator of a Line  
Accelerator Fed from a Master Oscillator,  
by A. P. Fedotov, B. K. Shembel', 15 pp.

RUSSIAN, per, Iz Vysshikh Ucheb Zaved, Ser  
Radiotekh, Vol III, No 3, 1960.

JPRS 7380

Sci  
Jun 61

156,753

Formula to Compute the Frequency of a Toroid  
Resonator, by V. A. Teplakov, B. K. Shembel, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CVI, No 3,  
1956, pp 443-446.

SLA Tr R-843

Sci - Physics

52,349

Sep 57

1  
Method of Calculating a Generation With Piezoelectric  
Frequency Stabilization, by B. K. Shembel', 26 pp.

RUSSIAN, per, Radiotekhnika, Vol X, No 7, Jul 1955,  
pp 30-45. CIA 605427.

ATIC F-TS-8983/v

Sci - Electron

57,892

Jan 58

Electrical Field Distribution Along the Axis of a  
Toroidal Resonator, by L. M. Prokudin, B. K. Shembel',  
43p.

RUSSIAN, per, Priory i Tekh Eksper, No. 1, 1961,  
pp 109-111.

ISA

191,794

Sci

Mar 62

The Synchronization of a Tube Oscillator by a  
Harmonic of the Fundamental Frequency, by O. A.  
Tikhonchevskiy, B. K. Shambel'.

RUSSIAN, no per, Zhur Tekh Fiz, Vol XVII, 1947,  
pp 215 - 230.

*Also DRR-77-232*  
AEC Tr 1118

Sci - Physics

Jan 52 073

*A10825*

Bulk Density of Coke, by B. V. Shemeryankin, A. S.  
Taynovnikov, A. I. Rytchenko, 3 pp.

RUSSIAN, per, Koks i Khim, No 8, 1961.

CTRA

Sci

Feb 62

184,806



The Spatial Distribution in Water of Multiply Scattered  
Gamma-Quanta from Unidirectional  $Au^{198}$ ,  $Co^{60}$ ,  $Na^{24}$   
Sources, by V.I. Kukhtevich and B.P. Shemstovko,  
6 pp.

RUSSIAN, per, Atom Energy, Vol XII, No 3, 1962,  
pp 204-210.

GB

Sci

233,163

Jan 62

Measurement of  $\text{Co}^{60}$   $\gamma$ -Ray Dose Close to the  
Boundary Between Two Bodies, by V. I. Kuk  
Kukhtevich, B. P. Shemetenko, B. I. Sinitsyn,  
3 pp.

RUSSIAN, per, Atom Energ, Vol VIII, No 1, 1960,  
pp 66, 67.

CB

Sci

157, 967

Jun 61

Mean Number of Prompt Neutrons in the Fission of  
U 233, U 235, Pu 239 By 4 and 15 Mev Neutrons, by  
G. N. Smirenkin, I. I. Bondarenko, L. S. Kutsayeva,  
Kh. D. Mishchenko, L. I. Prokhorova, B. P. Shene-  
tenko, 3 pp.

RUSSIAN, per, Atomnaya Energiya, Vol IV, No 2,  
1958, pp 186-189.

Consultants Bureau

Sci - Nuclear Phys

79,080

Jan 59

Classifying Coke According to Type and Size, by  
N. S. Gryaznov, B. V. Shemeryankin, A. S. Tsynovnikov,  
4 pp.

RUSSIAN, per, Koks i Khim, No 10, 1960, pp 22-25.

CIRA

Sci -  
Apr 61

147,615

The Shape of Lumps and the Size-Distribution  
Coke, by B. V. Shemeryankin, 3 pp.

RUSSIAN, per, Ok Koks i Khimiya, No 4, 1960.

CSH

Coal Tar Research Assc

Sci

Oct 60

128,609

An Increase in the Coke Oven Load With Levelling,  
by A. S. Tsynovnikov, B. V. Shemeryankin, E. P.  
Likhogub, F. A. Mustafin, G. I. Berkutova, 3 pp.

RUSSIAN, per, Koks i Khim, No 2, 1960, pp 19-21.

Coal Tar Res Assoc

Sci

Aug 60

124,330

Fibers from Solutions of Low-Substituted Xanthates, by E. A. Abramova, S. L. Munte, N. K. Shenkov, 4 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXX, No 12, 1957, pp 1815-1819.

Consultants Bureau

Sci - Chem

Feb 59

81,977

Haemorrhagic Nephroso-Nephritis in Transcarpathia  
(Haemorrhagic Fever With Renal Syndrome, by  
A. A. Avakyan, S. B. Shemshilevich, V. M. Meshchenko,  
5 pp.

RUSSIAN, per, Voprosy Virusologii, Vol IV, No 1,  
1959, pp 90-94.

Pergamon Press

Sci1

May 60

118,129



Nyctotrophy of Woody Plants, by N.M. ShemsKhanova 53  
320 pp.  
RUSSIAN, bk, Nikotrofiya Drevesnykh Porod, 1962.  
CPSTI TT 66-51673

*N. M. ShemsKhanova*

Sci/B&M  
Oct 67

339,627

Compounds of Phosphorus and Manganese, by S. F.  
Shemtshushny, N. N. Efremov, 9 pp.

RUSSIAN, per, Zhur Fiz Khim Obsh, Vol XXXIX, 1908,  
pp 777-787.

SIA/R-2540

Sci  
Apr 59

84, 432

48  
Research on a Series of Heterocyclic  
Ketones, by M. M. Shemyakin, E. I. El'kina.  
RUSSIAN, per, Zh. Obshch. Khim., Vol 11, No 4,  
1941, pp 349-352.  
NEL Ref: 87328 1966 (1205)

*M. M. Shemyakin*

Sci-Chem  
Aug 66

308,516

Dezapeptides. Communication 7. Structure of Enniatin  
by B. M. M. Shen'yakin, Yu. A. Ovchinnikov, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12,  
1962, pp 2154-2160.

CB

Sci -  
Nov 63

243, 150

Construction of Dipole and Three Electrode Electro-  
profiling Charts From Investigations of Straight-  
Line Unsymmetric Bann Systems, by I. M. Bloch,  
E. A. Shenyakin, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Ser Geofiz,  
No 6, 1955, PP 872-879.

AGU

Sci

Aug 60

123,644

Shock Load Wave in an Underground Explosion  
in Rocks, by N. S. Medvedeva, E. I. Shemyakin,  
19 pp.

RUSSIAN, per, Zhur Prikl Mekh i Tekh Fiz, No 6,  
1961, pp 78-87, 9207688.

AEC-UCRL-Tr-934(L)

Sci - Phys

Jun 63

231,920

The Lamb Problem for an Internal Source, by E. I.  
Shenyakin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 4, 1961,  
pp 780-782.

AIP  
Sov Phys - Dok  
Vol VI, No 10

190,825

Sci

Apr 62

On a Method of Integration of Nonstationary Linear  
Boundary Value Problems on the Propagation of Disturbances  
in Non-Ideally Elastic Media, by E. I. Shenjakin, 16 pp.

RUSSIAN, per, Prikl Matemat i Mekh, Vol XXII, No 3, 1958,  
pp 289-300.

Pergamon Inst

Sci - Maths

May 59

88,283



(DC-3428)

Orientation in Space, by F. N. Shenyakin, 70 pp.

RUSSIAN, bk, Psikhologicheskaya Nauka v SSSR,  
Vol I, 1599.

JPRS 11446  
6

Sci. - Med  
May 62

196, 251

Annual General Meeting of the Division of Chemical  
Sciences of the Academy of Sciences of the USSR,  
by F. M. Shcheykin, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 7, 1958, pp 938-

Consultants Bureau

Sci

Apr 60

113,640

Research in Ion Exchange Chromatography  
Elution Curves of Morphine During Ion Exchange Chroma-  
tography on Cation Exchangers, by F. M. Shemyakin, A.  
N. Karpov, 6 pp.

RUSSIAN, Issledovaniya v Oblasti Ionnoobmennoi  
Khromatografy. Moscow, 1957, pp. 164-170

Consultants Bureau

Sci - Med

Jun 58

65,579

Effect of the Composition of Permutites on Their  
Chromatographic Properties, by F. M. Shenyakin,  
D. V. Romanov, 4 pp.

*per*  
RUSSIAN, *bimo*, Kolloid Zhur, Vol XIV, No 5,  
(Sep-Oct), 1952, pp 376-378.

Consultants Bureau

Scientific - Chemistry

Mar 54

9913  
CTS/DEX

(FDD 26038)

The Investigation of Topographic Perception. The  
Effect of 180° Rotation on Topographic Perception,  
by F. M. Shenyakin, 74 pp.

RUSSIAN, irreg publ, Iz Pedagog Nauk RSFSR, No 53,  
Moscow, 1954, pp 229-264. CIAD 9004720,

CIA/FDD U-7947

USSR

Sci - Medicine, neurophysiology

33,628

Characteristic Chromatographic Reactions for  
Glucose and Acetone, by F. M. Shemyakin, O. S.  
Gobakhina, 3 pp.

<sup>biimp</sup>  
RUSSIAN, Per, Zhur Anal Khim, Vol. X, No 1,  
USSR, Jan-Feb 1955, pp 65-68. CIA D 151314

Full translation. Consultants Bureau

Scientific - Chemistry

OTS 68/may 55

23,734

RNA Polymerase in Escherichia coli B Infected with  
T2 Phage  
By R. B. Khesin, M. F. Shemyakin pp. 12

RUSSIAN, per, Biokhimiya, Vol XXVII, No 6,  
Sep-Oct 1962, pp. 1092 - 1105

CB

Sci

344,579

Aug 63

Some Properties of Informational Ribonucleic Acids  
and Their Complexes with Desoxyribonucleic Acids,  
by R. B. Khesin and M. F. Shemyakin, p. 15

RUSSIAN, per, Biokhimiya, Vol XXVII, No 5, Sep-Oct  
1962, pp. 761 - 779

CB

Sci

340,400

Aug 63



The Chemistry of Depsiptides, by M. M.  
Shemyakin, 7 pp.

RUSSIAN, per, Uspekhi Khim, No 3, 1962,  
pp 269-284.

CS

Sci

Jan 63

220,273

$\alpha$ -Substituted  $\alpha$ -Amino Acids. Communication 5.  
Methods of Preparation of Substituted  $\alpha, \alpha$ -  
Diaminocarboxylic Acids, by M. N. Shemyakin, L. I.  
Denisova, E. S. Chavan, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,  
1959, pp 690-694.

CB

Sci -  
May 61

152,742

— Investigations of the Chemistry of Chloromycetin (Levomecetin). IX. Synthesis of a New Analog of Chloromycetin—D-Threo-1-(p-formylphenyl)-2-dichloroacetylamino-1,3-propanediol, by M. M. Shemyakin, M. Yu. Lur'ye, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 8, 1959, pp 2531-2533.

Consultants Bureau

Sci

Aug 60

126,703

ISOMERIZATIONAL AND HYDROLYTIC AND OXIDATIVE-  
REDUCTIVE TRANSFORMATIONS OF 3-CARBOXY-4-  
CARBOXYMETHYL-5-P-CHLORO-PHENYL AZOTROPOLONE,  
BY F. A. MEDVELEVICH, M. M. SHENYAKIN, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXLI,  
NO 6, 1961, PPL380-1383.

CB

SCI  
AUG 68

205,834

More About the Regularity of Location  
of Some Craters on the Moon, by  
M. M. Shemyakin.

RUSSIAN, per, Byull Vsesoyuznoe  
Astronomo-Geodeticheskoe Obshchestvo,

No 34(41) 1963, pp 20-28.

OTS TT-64-19372

NLL RTS 2622 (on loan or purchase)

*M. M. Shemyakin*

Sci-Agri

Jul 66

306,579

Problems of the Chemistry of Natural Compounds, by  
M. M. Shemyakin.

RUSSIAN, per, Priroda, Vol XLVIII, No 11, 1959,  
pp 16-24. CIA 9071087

USDA

Sci - Chemistry  
Sept 60

124,717

Structure and Mechanism of the Hydrolytic Cleavage of  
o[Nitro(phenyl)acetyl]Benzoic Acid, by M. M.  
Shemyakin, D. N. Shigorin, L. A. Shchukina, E. P.  
Samskin, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,  
1959, pp 695-698.

CB

Sci -  
May 61

152, 744

Mechanism of Some Transformations and the Paths of  
Biogenesis of Carbohydrates With a Branched Car-  
bohydrate Chain, by M. M. Shemiakin, A. S.  
Khokhlov, M. N. Kolosov.

RUSSIAN, per, Doklady Akad. Nauk SSSR, Vol. LXXIV,  
No 6, 1952, pp 1301-1304.

Natl Res Council, Canada  
TT No 737

Sci - Med

Mar 60

111,288



Sarkomycin and Its Analogs. Communication 4. Ways  
of Synthesizing Sarkomycin and Its Analogs, by M. M.  
Shemyakin, G. A. Ravdel', E. S. ~~Shemyakin~~ Chaman, Z  
Yu. B. Shvetsov, E. I. Vinogradova, R. G. Vdovina,  
K. M. Ermolayev, E. M. Bendas, 11 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 12, 1959, 8p 2177-2187.

CB

Sci.  
Oct 60

130,335

Sarkomycin and Its Analogs. Communication 5.  
Synthesis of Racemic Sarkomycin, by M. M.  
Shemyakin, G. A. Ravdel', E. S. Chaman,  
Yu. B. Shvetsov, E. I. Vinogradova, 7 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 12, 1959, pp 2188-2194.

CB

Sci  
Oct 60

1301334

Hydrolytic Oxidation of Organic Substances, by  
M. N. Shchayakin, I. A. Shchukina.

RUSSIAN, monograph.

NBS R-755

Sci  
Jan 60  
Vol III, No 5

119,076

A Study of the Methods of Synthesizing Ring A of  
Tetracyclines. A Method of Introducing the N-  
Dimethylglycine Residue into the Cyclohexanone Ring,  
by M. M. Shervaldin,

RUSSIAN, par, Dok Ak Nauk SSSR, Vol XLVIII, No 4,  
1959, pp 744-747.

ATB PJ-2248

Sci. - Chem

May 60

115 486

Intermediate Stages of the Synthesis of  
Tetracyclines, by M. M. Shemyakin, M. N. Kolomoyskiy,  
5 p.

RUSSIAN, per, Dok Ak Nauk, 1959, Vol CXXVIII,  
No 1, pp 113-116.

ATS451L35R

ATS-RJ.2247

111,661

Sci  
Ayr 60  
Vol III, No 2

# 19

(DC-3393).

Academician Aleksandr Nikolayevich Nesmeyanov,  
by N. N. Semenov, M. M. Sheryakin, M. K.  
Kochetkov, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXIX, No 9,  
1959, pp 2811-2816.

JPRS 3255

USSR  
Biog  
May 60

116,673

Investigations on Tetracyclines. VII. Routes to  
Synthesis of Ring A of Tetracyclines, by M. M.  
Shemyakin, M. N. Kolosov, Yu. A. Arbuzov, 10 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,  
pp 545-556.

CB

Sci

May 61

154,182

Investigations on Tetracyclines. VI. Carboxamidation  
of Dimedon With Isocyanates, by M. M. Shemyakin,  
Yu. A. Arbuzov, M. N. Kolosov, 3 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXX, No 2, 1960,  
pp 542-544.

CB

Sci

May 61

154,180



Studies in the Field of Sarcomycin and Its  
Analogues. II. Synthesis of Sarcomycin Isomers,  
by M. M. Shemyakin, M. M. Kolosov, M. G.  
Karapetyan, V. Ya. Rodyonov, <sup>16</sup>pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVIII, No 8,  
1958, pp 2068-2074.

CB

Sci - Chem  
Oct 59

99,063

Study of the <sup>C</sup>Styphen Reaction, by M. M. Shemya-  
kin, V. I. Maymind, B. V. Tokarev, V. I. Kar-  
pov, 5 pp.

RUSSIAN, per, Zhur Obsch Khim, Vol XXVIII,  
No 4, 1958, pp 978-982.

Consultants Bureau

Sci - Chem  
Jun 59

89,145

The Structure of Bisulfite Derivatives of the  
Aromatic Compounds, by F. M. Bendas, D. A. Bochvar,  
M. M. Shcheglov, 8 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XXI, No 7,  
USSR, Jul 1951, pp 1287-1295.

Consultants Bureau

Scientific - Chemistry

14,449

Intermediate Stages in the Synthesis of  
Tetracyclines, by M. M. Shemyakin, M. N.  
Kolosov, Yu. A. Arbuzov, Hsieh Yu Yuan,  
Sheng Huai Yu, K. A. Sklobovskiy, M. G.  
Karapetyan, A. I. Gurevich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol ~~XXXX~~ CXVIII,  
No 1, 1959, pp 113-116.

CB

Sci - Chem  
Sep 60

127, 719

The Mechanism of the Osazone-Formation Reaction, by  
M. M. Shemyakin, V. I. Maimind, K M Ermolayev,  
E. M. Bendas, 4 pp

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII, No 3,  
1959, pp 564-

CB

Sci - Chem  
Sep 60

127,736

Initial Stages in the Synthesis of Tetracyclines, by  
M. M. Shemyakin, M. N. Kolosov, M. G. Karapetyan, E. S.  
Chaman, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXII, No 4, 1957,  
pp 669-.

Sci - Chemistry  
Jul 58

Consultants Bureau  
*ApotTech Sec 88516R*  
*ATS 82-919*

*66,773*

Oxidizing-Hydrolytic Conversion of Orggnic Compound,  
by M. M. Shemyakin, L. A. Shukina.

RUSSIAN, per, Uspekhi Khim, Vol XXVI, No 5, 1957.  
pp 528-553.

Tech and Com

Sci - Chem

Apr 58

*RIS R-755*

*62,242*

1  
A Theory of Oxidative-Hydrolytic Transformations of  
Organic Molecules, by M. M. Shemyakin and L. A.  
Shchukina, 11 pp.

RUSSIAN, bimo per, Biokhim, Vol XXII, No 1, 2,  
Jan-Apr 1957, pp 214-225.

Consultants Bureau

Sci - Chemistry  
App 58

61,667



A Study of the Conditions of Formation of Phenol by  
Fusion of Sodium Benzenemonosulfonate With Sodium  
Hydroxide, by R. K. Eikhman, M. M. Shenyakin, V. N.  
Vozhdayeva, 14 pp.

RUSSIAN, rpt, Papers of the Institute for Scientific  
Research on Organic Intermediates, 1934, pp 323-331.

CIA/FDD XX-413  
NOT RELEASABLE TO FOREIGN NATIONALS

60,599

Sci - Chem  
Mar 58

IAC INTERNAL USE ONLY

Studies of Compounds Labeled With  $C^{15}$  and  $N^{14}$ . V. Synthesis of  $\alpha$ - $N^{15}$ -Amino Acids, by V. I. Maimin, K. M. Ermolaev, M. M. Shemyakin, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XXVI, No 8, 1956, pp 2313-2318.

r  
Consultants Bureau

Sci - Chem

56, 539

Dec 57

Synthesis of Peptides Containing  $\alpha$ -Hydroxy- $\alpha$ -amino  
Acid Residues, by M. M. Shemyakin, G. A. Ravdel and  
E. S. Chanan, 4 pp.

Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVII,  
No 5, p 706.

Consultants Bureau

Sci - Chemistry  
Dec 56 CTB

41, 517

Sarkomycin and its Analogs. I. Synthesis of Dihydrosarkomycin and its Antipode, by M. M. Shemyakin, L. A. Shchukina, E. I. Vinogradova, M. N. Kolosov, R. G. Vdovina, M. G. Karapetyan, V. Ya. Rodionov, G. A. Ravdel, Yu. B. Shvetsov, E. M. Badas, E. S. Chaman, K. M. Ermolayev, E. P. Semkin, 6 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No 3, 1957, pp 742-748.

Consultants Bureau

Sci - Chem  
Aug 58

69,160

Synthesis of  $\alpha$ -Substituted  $\alpha$ -Amino Acids and Their  
Derivatives, by M. M. Shemyakin, E. S. Chernen  
and L. I. Denisova, 4 pp.

RI Full tr

RUSSIAN, thrice-no per, Dok Ak Nauk SSSR, Vol CVI,  
No 4, 1956, p 673.

44,502

Consultants Bureau

Sci - Chemistry  
Doc 56 CTR

Chemistry of Chloramycetin (Levomycesin). V.  
Racemization of L-Threo-1-(p-nitrophenyl)-2,3-  
(dichloroacetamido)-1,3-propanediol With Sub-  
sequent Conversion of the Racemate Into  
Chloramycetin (Levomycesin) [1], by M. N.  
Sharykin, E. M. Samas, E. I. Vinogradova,  
D. P. Vilkovsky, M. A. Gubernov, V. N.  
Orlovich, A. S. Khokhlov, Yu. B. Shvetsov,  
L. A. Shchukina, 10 pp.

Full text

37,751  
RUSSIAN, no year, Zhur Otchek Khim, Vol XXIV, No 11,  
1954, pp 2076-2083. CIA A2761-C, reel 3.

Consultants Bureau

Sci - Chemistry Aug 56 CTS

The Structure of Aureomycin and Terramycin, by  
M. M. Shemyakin, L. A. Shchukina, 6 pp

RUSSIAN, thrise-no-per, Dok Ak Nauk SSSR, Vol LXXXIX  
No 3, 1953, pp, 499-500.

Sci Tr Ctr : RT-3824

Sci - Medicine  
Aug 56 CTE/lex

37,551

The Structure of Bisulfite Derivatives of the  
Aromatic Compounds, by F. M. Bendas, D. A. Boehvar,  
M. M. Shemyakin, 8 pp.

RUSSIAN, no per, Zhur Obshch Khim, LXII, No 7,  
USSR, Jul 1951, pp 1287-1295

Consultants Bureau Vol 21-22-1951

15,180

Scientific - Chemistry



THE SYNTHESIS OF OPTICALLY ACTIVE DEPSIPEPTIDES,  
BY M. M. SHEMYAKIN, E. I. VINOGRADOVA, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 2,  
L961, PP 387-390.

CB

SCI  
JUL 62

204,357

The Chemistry of Chloromycetin (Levomecetin)  
VI. Synthesis of New Optically Active Analogs  
of Chloromycetin (Levomecetin), by M. M. Shemya-  
kin, ~~M. N. Kolosov~~ M. N. Kolosov, M. G. Karapet-  
yan, E. M. Bendas, Yu. B. Shvetsov, E. I. Vино-  
gradova, L. A. Shchukina, 6 pp.

RUSSIAN, no per, Zhur Obshch Khim, Vol XIV,  
No 6, 1955, pp 1199-1205.

Consultants Bureau

Scientific - Chemistry

41, 353

Investigation in the Ketone Series. II.  
Condensation of Monoketones with Cyanoacetic  
Acid, by D. M. Trakhtenberg, N. M. Shemjakin,  
7 pp.

RUSSIAN, no par, Zhur Obshch Khim, Vol XIII, No  
6, 1943, pp 477-480.

Sci Tr Center

RT-3838

0

37,885

Sci - Chemistry

Aug 1956

Dependency Between Structure and Antimicrobial  
Activity of Chloramycetin (Levomycesin) and  
the Mechanism of Its Effect, by M. M. Shemlakin,  
M. N. Kolosov, M. M. Levitov, K. I. Germanova,  
K. G. Karagutjan, Ya. B. Shvetsov, E. M.  
Bumlas, 10 pp.

RUSSIAN, twice-a-week per, Dok Ak Nauk SSSR,  
Vol CII, No 3, 1975, pp 953-956. CIA  
197101

RT 42.00  
III 37,698

Sci - Chemistry, Biology  
Aug 1976

SLA R-153/57

The Azo Dye Fading Problem, by B. M. Bogoslovsky,  
Z. S. Kozakova, H. M. Shenyakin, 4 pp.

RUSSIAN, per, Zhur Prikl Khim, Vol XXVI, No 4, 1953,  
pp 435-437.

Consultants Bureau

Scientific - Chemistry Dec 1954 CTS 20,326

SEKHUKINA, L. A., KONDRAT'YEV, I. P., and SEMYAKIN,  
H. M., Lab of Organic Chemistry of the Institute of  
Biological and Medicinal Chemistry, Acad Med Sci USSR

Oxidative and Oxidative-Hydrolytic Transformations  
of Organic Molecules IV. Oxidative-Hydrolytic Trans-  
formations of 2-Methyl-1, 4-Naphthoquinone Oxide

Zhur Obshch Khim, Vol XIX, No 1, 1949 (Jan), pp 165-  
173

Consultants Bureau Translation

A-5729

Vladimir Mikhailovich Rodionov, Academician, by  
V. N. Belov, B. M. Bogdanovskii, A. I. Korolev,  
A. M. Fedarova, and M. M. Shenyakin, 45 pp, (AP 81037)

RUSSIAN, per, Uspekhi Khimii, Vol XVII, No 5, 1948,  
pp 521-543.

ANC F-TS-6699-RE

USSR

Biographic - Vladimir Mikh Mikhailovich Rodionov

A 646

SHCHUKINA, L. A., and SHENYAKIN, M. M.

Oxidative and Oxidative-Hydrolytic Transformations  
of Organic Molecules V. Mechanism of Oxidative-  
Hydrolytic Transformations of 2-Methyl-1, 4-Naphtho-  
quinone Oxide

Zhur Obshch Khim, Vol XIX, No 1, 1949 (Jan), pp 175-  
180

Consultants Bureau Translation

A-10856



SPICHUKINA, L. A., KOSINATYeva, A. P., SHEMYAKIN, N.  
N., Lab of Org Chem, Inst of Biol and Med Chem,  
Acad Sci USSR

Oxidative and Oxidative-Hydrolytic Transformations  
of Organic Molecules. VI. Study of the Mechanism  
of the S. Hockner Reaction

Zhur Obshch Khim, Vol XII, No 3, 1969 (Mar), pp 419-  
429

Consultants Bureau Translation

7-5730

SHVETSOV, I. B., and SHUMYAKIN, M. M., Org Chem  
Lab of Inst of Biol and Med Chem, Acad Sci USSR

Oxidative and Oxidative-Hydrolytic Transformations of  
Organic Molecules. VII. Hydrolytic Transformation  
of a Chloroketone of the Tetrahydronaphthalene Series

Zhur Obshch Khim, Vol XIX, No 3, 1949 (Mar), pp 431-  
446

Consultants Bureau Translation

A 10876

Investigations in the Sphere of Compounds  
Labeled With  $C^{14}$  and  $H^3$ . Communication IV.  
A New Method of Investigating Dual Reactivity  
and Tautomerism. I. Investigation of Tri-  
azine (Diazotrimine) Systems, by M. M. Shenyakin,  
V. I. Maitin, E. Gomes, 7 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol XXVII, No  
7, 1957, pp 1842-1848.

Consultants Bureau

Sci - Chem  
Oct 58

74, 227

Intermolecular Reactions of Acetylene and Its  
Derivatives, by D. N. Shigorin, M. M. Shemyakin,  
M. N. Kolosov, 3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,  
No 9, 1958, pp 1133,1134.

SLA 59-10524

Sci - Chem  
Sep 59  
Vol 2, No 2

97,988

4  
The Chemistry of Chloramycetin (Levomycesin). VIII.  
The Dependence of the Antimicrobial Activity of  
Chloramycetin on Its Structure and the Mechanism of  
Chloramycetin Action, by M. M. Shampakin, M. N.  
Kolomoiev, M. N. Levitov, K. I. Gerasimova, M. G. Kara-  
petyan, Yu. B. Shvetsov and E. M. Bendas, 10 pp.

Full tr

RUSSIAN, no par, Zhurn Obshch Khim, Vol XLVI, No 3  
1976, pp 773-782.

CIA 9004054  
SLA 18-793  
Consultants Bureau

Sci - Chemistry  
Jan 97/CIS

42,540

NH-4.15